

## Product datasheet for SC114978

### DIMT1L (DIMT1) (NM\_014473) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DIMT1L (DIMT1) (NM_014473) Human Untagged Clone
Tag:	Tag Free
Symbol:	DIMT1L
Synonyms:	DIM1; DIMT1L; HSA9761; HUSSY5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114978 sequence for NM_014473 edited (data generated by NextGen Sequencing)

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ATGCCGAAGGTCAAGTCGGGGGCCATCGGCCGCCCGCGGGCGGCAGGAGCAGCGCCGG
GAGCTGAAGAGCGCTGGAGGACTCATGTTCAACACGGGGATTGGGCAGCACATTTTGAAA
AATCCTCTCATTATTAACAGCATTATCGATAAGGCTGCCTTAAGACCAACTGATGTAGTG
CTGGAAGTTGGACCTGGAAGTGGCAACATGACTGTAAAGTTGTTAGAAAAGGCAAAAAAG
GTTGTTGCTTGTGAAGTTGACCCAAGGCTAGTAGCTGAAGTTCACAAAAGAGTTCAGGGC
ACGCCTGTGGCCAGCAAAGTCAAGTACTGGTGGGTGATGTGCTGAAAACAGATTTGCCA
TTCTTTGATACTTGTGTGGCAAATTTGCCTTATCAGATCTCTTCACCTTTTGTCTTCAAG
CTGTTGCTACATCGACCTTTTTTCAGGTGTGCTATACTTATGTTTCAAAGAGAATTTGCC
CTCCGACTGGTTGCAAAACCTGGAGATAAGTTATACTGCAGACTCTCAATTAATACACAG
CTGTTGGCAGTGTGGACCATCTAATGAAAGTGGGAAAGAATAACTTCAGACCACCGCCC
AAGGTGGAATCCAGTGTTGTAAGGATAGAACCTAAGAATCCACCACCACCCATCAATTTT
CAGGAATGGGATGGTCTAGTAAGGATAACCTTTGTTAGGAAAAACAAGACTCTCTGCT
GCATTTAAATCAAGTGCAGTGAACAACCTTTGGAAAAAACTACAGAATTCAGTGTTC
GTCCATAATATTATAATACCAGAAGATTTGAGCATAGCAGATAAAATACAGCAAATCCTA
ACCAGCACAGTTTTAGTGACAAACGGGCCCGTCCATGGACATAGATGACTTCATCAGA
TTGCTACATGGATTCAACGCAGAAGGTATTCATTTTTCTAG

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Clone variation with respect to NM\_014473.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014473 unedited  
 GGTGTACATATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGCCTCG  
 TGCCGAATTCGGCAGCAGGGGCGCTTGGGCCAGAGTGGTGCGGCGCGCGTGGCGGCGA  
 TCCCCACGTGGTGGCTTCTCACGCTAGCCCTCTTGGTCTCTTGACGTCCCGGGCCT  
 GTGGGCCCGCTTCTGCCGAGATGCCGAAGGTCAAGTCGGGGGCCATCGGCCCGCCCGC  
 GGGCGGCAGGAGCAGCGCCGGGAGCTGAAGAGCGCTGGAGGACTCATGTTCAACACGGGG  
 ATTTGGGCAGCACATTTTAAAAATCCTCTCATTATTAACAGCATTATCGATAAGGCTGCC  
 TTAAGACCAACTGATGTAGTGTGGAAGTTGGACCTGGAACATGGAACATGACTGTAAAG  
 TTGTTAGAAAAGCAAAAAGGTTGTTGCTTGTGAACTTGACCCAAGGCTAGTAGCTGAA  
 CTTACAAAAGAGTTCAGGGCACGCCTGTGGCCAGCAAACCTCAAGTACTGGTGGGTGAT  
 GTGCTGAAAACAGATTTGCCATTCTTTGATACTTGTGTGGCAAATTTGCCTTATCAGATC  
 TCTTCACCTTTTGTCTTCAAGCTGTTGCTACATCGACCTTTTTTTCAGGTGTGCTATACTT  
 ATGTTTCAAAGAGAATTTGCCCTCCGACTGGTTGCAAAACCTGGAGATAAGTTTACTGC  
 AGACTCTCAATTAATACACAGCTGTTGGCACGTGTGGACCATCTAATGAAAGTGGGAAAG  
 AATAACCTCCAGACCACGNCCAAGGTGGAATCCAGTGTGTAAGATAGAACCCTAGAA  
 TCCACCACCACCATCAATTTTACGAATGGGATGGTCTACTAAGGATAACCTTTGTTAG  
 GAAAAACACGAACTCTCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_014473 unedited  
 TATGTACCGCGGCACGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTAAAAACAATTGTTTTACTGTACATGTGAATAACAAAAATGGTACGGGGAATGT  
 GAATAACACGAAATGGTATGGGGAATGTGTGACTAGTGAAGCATATTTAACTTTTTTAT  
 TACTGGAGGAACAAAGCTAAAGGCCTAAAAAGGCCTTACAGTATATAACAGTAAATAGA  
 AGAGTAACATCTTATACAATAAACTGTTAAAAATGATAAGTGTAAAGTTGGGCGTCTCT  
 GCGGCTCCTGAACCTTGAAGATTATTATGAATAGATTGGACCAGCATTATATATAAAAAC  
 TTTGATACTTAAAACTTTCCAACCTTAAAAATCATAAATGGGGACAACAGTAGT  
 AGTATTGAACAAAAATAGTCAAGTAAATAATGTCTCAGTAAAGCAAAAGCATTATCTTC  
 TCAAAATACAAAAATACAAAATTCATTTCTTTCTTGACCTTGAAAAATTTCTGTTTTCCA  
 AATACCTAGGAAAAATGAATACCTTCTGCGTTGAATCCATGTAGCAATCTGATGAAGTCA  
 TCTATGTCCATGGAACGGGCCCTTTGCTACTAAAACCTGTGCTGGTTAGGATTTGCTGT  
 ATTTTATCTGCTATGCTGAAATCTTCTGGTATTATAATATTATGGACTGAACAGTGAAT  
 CTGTAGTTTTTTTTCCAAGAGTTGTTGCACTGCACTTGATTTAAATGCAGCAGAGAGTGT  
 TTGTTTTTTCTAACAAGGTTTTCCCTACTAGACCATCCCATCCTGAAAATTGAGGGTGGN  
 GGGGGATCCTAAGTTCTATCCCTACACACTGGATTCCAACCTGGGCGGGTNTGAGTT  
 ATTCTTTCCACTTTCATAAATGGCCACACTTGCAACAGCTGGGATTATTGAAGTCGCATA  
 TACTATTNCAGGTTGGCAGCCGAGGGCATCTCTT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_014473

**Insert Size:**

1670 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:**

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_014473.2</a> , <a href="#">NP_055288.1</a>
<b>RefSeq Size:</b>	1557 bp
<b>RefSeq ORF:</b>	942 bp
<b>Locus ID:</b>	27292
<b>UniProt ID:</b>	<a href="#">Q9UNQ2</a>
<b>Cytogenetics:</b>	5q12.1
<b>Domains:</b>	rADc
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a methyltransferase that is responsible for dimethylation of adjacent adenosines near the 18S rRNA decoding site. The encoded protein is essential for ribosome biogenesis, although its catalytic activity is not involved in the process. The yeast ortholog of this protein functions in the cytoplasm while this protein functions in the nucleus. [provided by RefSeq, Jan 2017]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1).</p>